

URANIUM IN UNCONSOLIDATED AQUIFERS OF WESTERN KANSAS
ADDENDUM: THE EQUUS BEDS AREA, 1980

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**URANIUM IN UNCONSOLIDATED AQUIFERS OF WESTERN KANSAS
ADDENDUM: THE EQUUS BEDS AREA, 1980**

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From the summer of 1974 through the summer of 1980, irrigation water samples were collected from pumping irrigation wells in multi-county regional sampling programs that targeted the unconsolidated aquifers of western Kansas. General water-quality data from the individual sampling programs of this study have been published as Kansas Geological Survey Chemical Quality Series 2, 4, 6, 7, 8 and 10. Chemical Quality Series 11 is an atlas that presents maps which are composites based upon data from the individual regional programs. Uranium data were reported for 1,048 irrigation wells from this same study in the Kansas Geological Survey Mineral Resources Series 9 publication. Data in this publication included irrigation wells from all the regional sampling programs with the exception of the Equus Beds Area of South-Central Kansas, Chemical Quality Series 10.

In July 1980, irrigation water samples were obtained from 110 pumping irrigation in the Equus Beds Area. These samples comprised the final regional collection made for the study of chemical quality of irrigation waters of western Kansas. Uranium determinations were made on portions of irrigation water samples from 32 well sites selected from within the four county study area. Analytical procedures employed were the same as those detailed in Mineral Resource Series 9. The results of these analyses are now presented in the accompanying table.

URANIUM ANALYSIS OF SELECT WELL WATERS FROM COUNTIES IN THE
EQUUS BEDS AREA OF SOUTH-CENTRAL KANSAS

Location T. R. Sec.	Concentration U in ppb
HARVEY	
22-03W-06 ABA	1.5
22-03W-11 DAB	2.1
23-01W-34 CBB	4.4
23-02W-05 CBD	0.3
23-02W-15 ABC	2.3
23-03W-21 ADC	0.6
23-03W-36 ABC	0.8
24-01W-18 CC	0.2
24-02W-17 C	0.1
24-03W-08 DBB	2.0
24-03W-22 CBB	4.4
MCPHERSON	
18-03W-31 BBD	3.4
18-04W-29 DAD	3.3
19-04W-26 BCC	0.3
20-01W-22 BBB	0.7
20-03W-19 B	2.1
21-03W-09 B	4.1
21-04W-13 D	2.5
RENO	
22-04W-24 BAA	0.1
24-04W-14 D	3.5
24-05W-11 A	7.3
24-06W-23 CBD	0.7
SEDGWICK	
25-01W-27 ABC	5.6
25-01W-31 B	5.9
25-02W-10 AAB	10.4
25-02W-30 DBB	3.7
25-03W-06 A	11.3
25-03W-11 CBD	3.4
25-03W-15 ADC	5.9
25-03W-30 ABB	2.7
26-01W-32 BD	1.7
26-02W-27 BAA	2.6